

### ABSTRACT OF THE DISCLOSURE

A pair of optical decryption glasses having lenses that modify incident light emitted from a display so as to render encrypted images appearing on the display that are undecipherable to the naked eye, readable when the screen is viewed through the lenses. The lenses include either diffractive elements such as grating or prisms, or refractive elements. The optical decryption glasses have a unique registration number, and the optical properties of each pair glasses are also unique to the glasses and associated with its registration number. In a related embodiment, a pair of decryption glasses with processing capabilities is provided. The decryption glasses include an optical sensor, a processor and a display screen. The optical sensor receives images appearing on an external screen that have been encrypted to be undecipherable to the naked eye, and converts the received images into digital data. This data is sent to the processor where it is decrypted, allowing underlying messages to be deciphered and shown on the display screen.